

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 239/162 DIV.2

In re patent application of

Chul-Sung KIM, et al.

Serial No.

[Division of Serial No. 10/102,997, filed March 22, 2002]

Filed: October 16, 2003

For: METHOD AND DEVICE FOR FORMING AN
STI TYPE ISOLATION IN A SEMICONDUCTOR DEVICE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56

Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB08 (A *and/or* B) is a listing of a document(s) known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. §1.56. These references correspond to the art cited during prosecution of parent application Serial No. 10/102,997, having a filing date of March 22, 2002, on which applicant relies under 35 U.S.C. 120. Accordingly, copies of the references need not be submitted; 37 C.F.R. §1.98(d)(1).

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action that would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

☒ The listed document(s) is/are being cited in compliance with 37 C.F.R. 1.97(b)(3): submission before the mailing date of the first action on the merits. [Box checked if applicable.]

☐ The foregoing document came to applicant's attention during the prosecution of their corresponding Korean application. [Box checked if applicable.]

CERTIFICATION

☐ The undersigned hereby certifies in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement. [Box checked if applicable.]

Applicant respectfully requests that the listed document(s) be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

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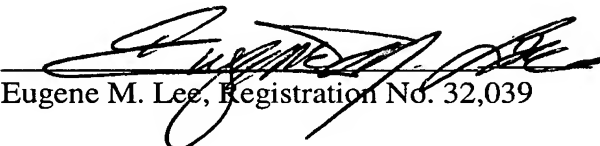
☐ The fee mandated by 37 C.F.R. §1.17(p) is believed applicable. [Box checked if applicable.]

☐ Attached is a check in payment of this fee (\$180.00). [Box checked if applicable.]

☐ This fee may be charged to Deposit Account No. 50-1645. (A duplicate copy of this paper is enclosed.) [Box checked if applicable.]

Respectfully submitted,

October 16, 2003
Date


Eugene M. Lee, Registration No. 32,039

LEE & STERBA, P.C.
1101 Wilson Boulevard, Suite 2000
Arlington, Virginia 22209
Telephone: (703) 525-0978

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

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2

Complete if Known

Application Number

Filing Date

October 16, 2003

First Named Inventor

Chul-Sung KIM, et al

Art Unit

Examiner Name

Attorney Docket Number

239/162 DIV.2

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	2	Application Number	
				Filing Date	October 16, 2003
				First Named Inventor	Chul-Sung KIM, et al
				Art Unit	
				Examiner Name	
				Attorney Docket Number	239/162 DIV.2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WOLF, et al., Silicon Processing for the VLSI Era, Vol 1, Process Technology, Lattice Press, p.201	
		LO, et al, MOS Characteristics of Fluorinated ..., IEEE Electron Device Ltrs, 11(11):511-513, (1990)	
		WRIGHT, et al., Hot-Electron Immunity of SiO ₂ Dielectrics with Fluorine..., IEEE, pp. 347-348, (1989)	
		HOOK, et al., Correlation Between Fixed Positive Charge and Hot-Electron., IEEE, pp. 471-473, (1997)	

Examiner Signature		Date Considered	
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